



By the year 2000,
Climate Wise
companies will
annually save more
than \$300 million and
reduce more than 20
million metric tons of
carbon dioxide.

Climate Wise Profiles: 1998 Partner Achievement Award Winners

On November 17, 1998, Climate Wise held their first Partnership Achievement Awards in Boston. Achievement Awards were presented to 15 companies who excelled in the areas of leadership, innovation, action planning, and actual results of increased energy efficiency, and emissions reductions. Three Companies, Boeing, Interface, and Lucent Technologies, received Special Recognition Awards for their accomplishments in individual projects. The award winners ranged from small companies and facilities such as Cargill and Pan American with 40 and 47 employees respectively, to our largest partner, General Motors, with 608,000 employees and multiple facilities. In a one day workshop that preceded the awards ceremony, companies shared information on the activities that won them the awards. Some of the actions identified include the use of solar power, lighting efficiencies, the development of an energy tracking database, the implementation of training programs and a variety of other creative solutions.

Climate Wise, a unique, government industry partnership sponsored by the U.S. Environmental Protection Agency (EPA) with technical support from the U.S. Department of Energy (DOE), helps businesses turn energy efficiency and environmental performance into a corporate asset. Since the program's launch in 1994, more than 460 companies have joined. These companies represent 12 percent of industrial energy use and expect, by the year 2000, to cut emissions by the equivalent of 18 million metric tons of carbon dioxide, and save \$193 million. David Gardiner, EPA's Assistant Administrator for Policy, noted in the keynote address that the number of reductions that Climate Wise companies are expected to reach is the equivalent of removing all of the cars from the Massachusetts state roadways. Following is a list of the companies, from largest to smallest, that received awards followed by a brief description of their accomplishments.

Award Criteria

To receive an award, companies had to demonstrate excellence in all four of the following areas:

Leadership: Actions the company has taken to influence other to improve efficiency and enhance operations—both employees within the company and corporate peers.

Innovation: Actions that are unique or novel approaches to reducing greenhouse gas emissions and improving efficiency—innovations may be managerial or technical.

Action Planning Excellence: Actions that represent a comprehensive set of activities that improve efficiency and reduce emissions—including a focus on the most energy-intensive processes or equipment.

Results: Quantifiable and credible estimate of the emissions reduced as a result of specific activities demonstrated through the Climate Wise Action Plan or the Voluntary Reporting of Greenhouse Gases Report.

Anheuser-Busch

Anheuser-Busch is being recognized with an Achievement Award for its innovative Climate Wise Action Plan. They have developed an extensive Utility Conservation Database that tracks energy use and conservation projects at each facility, and have also implemented a full range of efficiency measures through their Utility Challenge 2000 program. This program is aimed at keeping year 2000 utility costs at or below 1995 levels. Their Bio-Energy Recovery System generates a renewable source of fuel and reduces wastewater sludge by 50 percent. The company has installed a clean-burn cogeneration unit at their Newark Brewery and has implemented a comprehensive brewery-wide energy and utility survey program. Since 1990, Anheuser-Busch has reduced can weights by 13 percent and bottle weights by nearly 24 percent, allowing for more energy-efficient transportation. Savings from these and other actions will lead to annual savings of about 380,000 metric tons of carbon dioxide in the year 2000.

BP-America

British Petroleum is honored for its very innovative Climate Wise Action Plan. The Action Plan includes the development and launch of a 10 facility, intra-company, carbon trading system. Through this system, BP facilities will gain first hand knowledge in the creation and trading of emissions reductions credits and will share that knowledge with interested parties around the world. British Petroleum has also established a goal of reducing greenhouse gas emissions by 10 percent per unit of production below 1990 baseline levels in 2010. The emissions reduction goal will become part of the company performance review process for all BP employees and managers. BP's action plan also includes a significant commitment to the use of solar power and industrial efficiency. In 1997 alone, energy-efficiency projects in 10 business units resulted in the reduction of more than 200,000 tons of carbon dioxide equivalent. Savings from photovoltaic panels are expected to reduce emissions by 19,000 metric tons of carbon dioxide per year.

General Motors Corporation

General Motors Corporation, a charter member of the Climate Wise Program, is honored for innovations in its Climate Wise Action Plan and continued leadership in resource conservation. GM developed the Supplier Outreach Program. Through the program, 200 supplier development engineers received training, developed in partnership with Climate Wise, that will enable them to educate supplier facilities about reducing waste, improving productivity, conserving resources, and preventing pollution in the 2000 workshops they conduct each year. In their own operations, GM switched from coal to natural gas at five steam-generating facilities, and is installing boiler controls and a low-NO_x burner and implementing plans for cogeneration at two additional facilities resulting in emissions reductions of 367,500 metric tons of carbon dioxide equivalent. The first of 11 facility audits has identified procedural changes and projects saving 19 percent of total energy use. In 1997, General Motors Corporation avoided nearly two million metric tons of carbon dioxide emissions.

Johnson & Johnson

Johnson & Johnson is recognized for innovation in its Climate Wise Action Plan. They have pledged to decrease energy use by 25 percent from 1991 to 2000 (indexed to production, area and weather), and have thus far achieved an 18 percent reduction. Still more impressive is that overall energy use at U.S. facilities has declined 8 percent while production has grown by more than 330 percent. Johnson & Johnson is achieving this by implementing a comprehensive list of Best Management Practices that address efficiency in a full range of areas and end uses. In 1997, Johnson & Johnson saved \$2.6 million and 23,154 metric tons of carbon dioxide. A charter partner in Climate Wise, Green Lights, and Energy Star buildings, the company has hosted events and made presentations at many conferences and forums throughout the country, highlighting the benefits and results of their participation in these voluntary programs, and encouraging others to follow their lead.

Quad/Graphics

Quad/Graphics is recognized for its continued leadership and innovation. Their decision to locate their new facility on a brownfields site eliminated the need for energy and materials to build a new structure, and reduced average employee commutes thereby reducing transportation emissions. Quad's Climate Wise Action Plan includes implementation of a number of process related efficiency measures that have led to reduced energy consumption, ink conservation, and VOC reductions. The company pledges to maintain the same rate of energy reduction achieved in past years, despite increases in production and estimates annual savings of 78,911 metric tons of carbon dioxide and \$80,000 by the year 2000.

Baxter Healthcare Corporation — North Cove Facility

Baxter Healthcare Corporation-North Cove Facility's leadership was key in awarding them a Climate Wise Achievement Award. Since joining Climate Wise in 1996, the North Cove facility was instrumental in convincing its parent corporation to also join, and hosted the Baxter Energy Conference in April of 1998. They also established the McDowell Environmental Exchange, a forum for keeping industries in the McDowell

County community abreast of environmental issues and new technologies. The facility's Climate Wise Action Plan includes a 25 percent reduction in energy needed for producing an equivalent liter of product, to be accomplished through a variety of energy management system, boiler, process cooling and compressed air system measures. The North Cove Facility is currently saving \$650,000 and 10,000 metric tons of carbon dioxide per year.

Malden Mills

Malden Mills is being recognized for its commitment to adopting advanced, energy efficient technologies. Following the destruction of their mill by fire, Malden Mills seized the opportunity to construct a new, energy efficient facility, equipped with state of the art cogeneration engines that will serve as a demonstration project. Through their Climate Wise Action Plan, the company has redesigned its production process to conserve energy and materials, and has adopted energy management, lighting, and waste reduction measures. Their commitment should lead to annual savings of 27,000 metric tons of carbon dioxide by the year 2000. Malden Mills also serves on the Board of Directors of the Northeast Business Environmental Network.

Motorola Austin

Motorola Austin is honored because it has exemplified leadership in the City of Austin's Climate Wise Partnership. They were the first company to join the City of Austin partnership, and then played a key role in recruiting 14 other companies. Innovation in their Climate Wise Action Plan also made Motorola a candidate for an Achievement Award. The company has conserved energy through motor, boiler, insulation, lighting and process efficiency measures. Newly implemented technologies require less and recycle more of the Ultra Pure Water they need, thereby avoiding energy intensive filtering and processing. Motorola Austin anticipates annual savings of \$2.8 million and 52,281 metric tons of carbon dioxide by the year 2000.

Gillette Stationary Products — Arrow Park

Gillette Stationary Products — Arrow Park was selected as an achievement award winner for its leadership in education and innovative system improvements. Gillette Stationary Products has enacted impressive employee involvement and energy efficiency education programs, and publicized their energy conservation activities so that other companies may reap similar benefits. As part of their Climate Wise Action Plan, Gillette established a corporate goal of reducing their global energy and water use by 10 percent and 35 percent, respectively, and of cutting annual energy consumption at the Arrow Park site by 17 percent — a full 1,000,000 kWh. The Arrow Park facility has conserved electricity by heating buildings with waste heat recovered from two air-cooled air compressors, and by adopting boiler and energy management systems. They have reported increasing production by 35 percent, while increasing electricity use by only 10 percent.

TECO-Westinghouse Motor Company

TECO-Westinghouse Motor Company is honored for extensive measures in their Climate Wise Action Plan. They have updated many systems within the 30-year old facility, resulting in a 55 percent reduction in average electric bills. These improvements included installing efficient lighting systems, replacing electric ovens with gas ovens, testing engines during non-peak energy usage hours, updating steam systems, and implementing energy management measures. The company has also launched a Thermal Storage Project involving the insulation of a 1 million gallon storage tank, allowing chillers to run overnight when they are most efficient and energy demand is lowest. They participate in community education programs, and have instituted a recycling program that rewards increased employee participation. TECO-Westinghouse Motor Company projects annual savings of \$507,000 and 13,000 metric tons of carbon dioxide.

Cosmair, Inc. — Clark Manufacturing Facility

Cosmair's Clark Manufacturing Facility was selected to receive a Climate Wise Achievement Award based upon its demonstrated leadership, both in business and in their community. Since joining Climate Wise in 1996, the Clark facility has been instrumental in leading other companies to the program, including other Cosmair facilities and several vendors in their supply chain. They continue to actively engage small groups of employees in discussions about expansion of Climate Wise initiatives, and sponsor community, state, and Climate Wise public education efforts. The facility's Climate Wise Action Plan includes the enactment of steam system, boiler, insulation and energy management system measures, leading to anticipated cumulative savings of \$2.4 million and 26,713 metric tons of carbon dioxide from 1990 to the year 2000.

Stonyfield Farm, Inc.

Stonyfield Farm, Inc. is honored for its leadership in energy efficiency and environmental initiatives. Stonyfield Farm's Environmental Cookbook is designed to give other companies the "recipe" for calculating their emissions and implementing carbon offset projects. Their "Let's Put a Lid on Global Warming" yogurt lid campaign, co-sponsored by the Union of Concerned Scientists, educates customers on

global warming, and directs them to further informational resources. Stonyfield Farm's Climate Wise Action Plan establishes a goal of reducing energy use by 25 percent per pound of product between FY 1996 and 1999. They have already achieved a 20 percent reduction and expect annual savings of \$97,000 and 1360 metric tons of carbon dioxide in the year 2000. Stonyfield Farm has invested in projects that offset 100 percent of the carbon dioxide emissions from their facility energy use, and has adopted process efficiency measures including the installation of energy efficient, liquid recirculation systems on ammonia refrigerators, elimination of steam intensive processes, heat exchange optimization, and water use reductions. Stonyfield Farm is also modifying milk delivery schedules to minimize vehicle fuel use and promoting employee carpooling.

Cargill, Inc. — Raleigh Oilseeds Facility

Cargill's Raleigh Oilseeds facility was selected as an Achievement Award winner because of its detailed Climate Wise Action Plan. Overall, the facility pledges to cut energy costs by 3 percent per unit of production and reduce waste by 30 percent by the year 2000. Since joining Climate Wise in 1997, the Raleigh Oilseeds facility's many impressive initiatives have included the installation of a new more energy efficient boiler. As an outstanding Climate Wise partner, they have communicated the benefits of these measures to other facilities within their division and to their corporate headquarters in Minnesota, educated employees on energy conservation, joined the Motor Challenge Program, and undertaken monthly energy audits and daily energy surveys. The company has also enacted steam system, process control and waste reduction measures, with projected savings of \$118,000 and 2,109 metric tons of carbon dioxide by the year 2000.

Pan American Hospital

Pan American Hospital is recognized for leadership within their community and for innovation in its Climate Wise Action Plan. The hospital sponsored, in conjunction with the Miami-Dade Department of Environmental Resources Management, the Environmental Essentials Workshop for local businesses. Pan American has installed a facility-wide Energy Management System that links all high consumption equipment and optimizes their performance. Their action plan includes a number of impressive actions to enhance energy efficiency, including the installation of new steam traps, insulating steam lines, replacing the chiller system, optimizing the boiler system, and upgrading the compressed air system. As a result of these actions, the hospital anticipates annual savings of \$65,000 and 570 metric tons of carbon dioxide by the year 2000.

The Boeing Company

The Boeing Company is being honored tonight for the extensive and exhaustive efforts in the development of its first Climate Wise Action Plan. This year, Boeing completed a compilation of nearly 150 energy-saving measures, implemented across its more than 50 facilities during the past ten years. These measures encompass a full range of First Tier measures, including building consolidations, extensive boiler upgrades, and large scale recycling and transportation efficiency programs. Through these programs, Boeing has saved \$15.7 million and avoided almost 150,000 metric tons of carbon dioxide. Annually, by the year 2000, savings are expected to reach almost \$19 million and 180,000 metric tons of carbon dioxide.

Interface, Inc.

Interface, Inc. is honored with special recognition for its continued commitment to sustainability, including the development of the first line of Climate Neutral products. Interface's partnership with the Climate Neutral Network has helped to define the scope of Climate Neutral products and services. Their development and use of EcoMetrics™, a detailed accounting of resources, production, and waste, measured in carbon dioxide equivalents, has helped to establish methods for companies to inventory greenhouse gas emissions associated with the production and use of a product over its lifetime. Interface's design of a portfolio of offset projects, potentially including efforts ranging from energy efficiency and renewable energy measures to reforestation projects, has also helped to define the design principles still under development by the Network. Through their Climate Wise Action Plan, Interface has expanded its use of solar and renewable energy, sponsored employee involvement initiatives, instituted lighting and recycling improvements, conducted energy audits, replaced inefficient motors, and sustained a 4 percent annual reduction in carbon dioxide equivalent per unit of production.

Lucent Technologies

Lucent Technologies has received one of the Climate Wise Special Recognition Awards because of its substantial efforts toward developing its Database Tracking System. This comprehensive energy database is serving as a model to help Climate Wise partners organize and track energy information. Lucent Technologies was key in forming the successful New Jersey Climate Wise Partnership, and has served as a host for this event. Lucent Technologies' Climate Wise Action Plan establishes a goal of 121,500 metric tons of avoided carbon dioxide emissions by the year 2000, to be accomplished through measures such as energy tracking and reporting, energy management and process controls. Lucent's portfolio of 189 implemented energy efficiency projects includes lighting efficiency, HVAC upgrades, manufacturing process improvements, building automation systems, and energy-efficient motors. They plan to save more than \$135,000 annually by the year 2000.